

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

Technical Film

Tecfilm[®] PAR TC 00181

Structure: Tecfilm[®] PAR TC 00181 is available with a gloss or matt finish on both sides.

Characteristics: Tecfilm[®] PAR TC 00181 has high tensile strength and is resistant to breakage and splintering. In addition the film has high temperature resistance.

Application: Tecfilm[®] TC is flame resistance (VTM 0) from 60 µm and is used for electrically insulating deep drawn parts and winding films, also as insulation material in coils, transformers and capacitors. The film can be used as base film for high temperature resistant adhesive tape, for interior wall / ceiling suspension. In addition the film is good for labeling, whereby the matt side is erasing and smudge resistant.

Form of Supply: Tecfilm[®] PAR TC 00181 is available on rolls up to 120 cm wide in lengths from 1000 mm.

Storage Conditions: Tecfilm[®] PAR TC 00181 can be stored for up to two years under normal conditions (23 ° C, 50% RH).

Stand November 2014

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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Properties	Norm	Unit	Value
Total Thickness		mm	0.06 0.100 0.200
Color			colourless, glossy or one side matt
Density	DIN 53479	g/cm ³	1,21
Water absorption		%	0,35
Tensile strength	ASTM D 790	N/mm ²	84
Elongation at break		%	~ 100
Glass transition temperature		°C	193
Heat Deflection Temperature		°C	175
Thermal endurance1)	DIN IEC 216-2 (VDE 0304/22)	°C	166
Coeff. of thermal expansion		1/°C	60 x 10 ⁻⁶
Dielectric strength		kV/mm	160
Relative permittivity 1 Mhz	IEC 250	-	3,2
Dissipation Factor, 1 Mhz	IEC 250	-	0,0023
Volume Resistivity	IEC 93	Ω cm	1,4 x 10 ¹⁶

Trademark Information: Tecfilm® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

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Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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